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Tree manuals

Among the many books upon various phases of tree study two recently to hand seem well suited to the use for which they were intended. The first⁵ includes the native and cultivated woody plants of Minnesota, and in its semitechnical nature is intended to appeal to the educated layman quite as much as to the teachers and students of botany and forestry. This appeal is the more readily made through the numerous excellent illustrations, both from drawings and photographs.

In the second manual⁶ the same classes are appealed to, and in addition to simplicity of text and abundance of excellent illustrations, the book has further to recommend it, its pocket-size, which allows it to be most conveniently carried into the forests themselves. The leather covered edition is in fact the best and most portable small tree manual that has yet appeared.—GEO. D. FULLER.

MINOR NOTICES

A sketch of Linnaeus.—Professor EDWARD LEE GREENE⁷ has published an admirable sketch of LINNAEUS, which the publishers have presented in most attractive form. The personality of this great Swede should live beyond the circle of professional taxonomists, and the simple and fine style of this sketch makes the booklet a most effective one for the teachers of public schools and for reading circles. The nine sections deal with the following topics: lineage and childhood of LINNAEUS; school, college, and university years; journey to Lapland; journey to Germany and Holland; practices medicine in Stockholm; appointed professor at Upsala; influence of LINNAEUS upon botany; LINNAEUS as a zoologist (contributed by W. H. DALL); LINNAEUS as an evolutionist. These sections introduce LINNAEUS the man rather than as the father of taxonomy, and a most interesting and inspiring man he proves to be. We are told of his parentage and early education, of his struggles with adverse circumstances, and of the almost incredible patience, industry, zeal, and resolution with which he conquered and rose to high distinction. No one could introduce him more intelligently, sympathetically, and in better form than Professor GREENE.—J. M. C.

Indiana Academy of Science.—The Proceedings of the Indiana Academy of Science for 1911 (1912), a volume of 473 pages, contains the following botani-

⁵ CLEMENTS, F. E., ROSENDAHL, C. O., and BUTTERS, F. K., *Minnesota trees and shrubs. Report of the Botanical Survey IX.* 8vo. xxi+314 (illustrated). Minneapolis, Minn.: University of Minnesota. 1912.

⁶ COLLINS, J. F., and PRESTON, H. W., *Illustrated key to the wild and commonly cultivated trees of the northeastern United States and adjacent Canada.* vii+184. figs. 279. New York: Henry Holt & Co. Cloth \$1.35; leather \$2.50.

⁷ GREENE, EDWARD LEE, *Carolus Linnaeus.* pp. 91. Philadelphia: Christopher Sower Company. 1912.